

**Claims**

1. Natural stone panel floor, the floor panels (1) of which are laid at a distance from each other on an essentially flat base, characterized in that the floor panels (1) comprise, respectively, a groove (11) which is arranged on the lateral surfaces thereof (10) and respectively a plastic spacer (2) which is arranged between adjacent floor panels (1), said spacer supporting a clamping crosspiece (20, 21) on both sides thereof, which is maintained in a clamped manner in the groove (11).

2. Natural stone panel floor according to claim 1, characterized in that the grooves (11) are formed in the sides of the stone panel (1) at a symmetrical height.

3. Natural stone panel floor according to claim 1, characterized in that the grooves (11) are 3 mm high and more than 6 mm deep.

4. Natural stone panel floor according to claim 1, characterized in that the clamping crosspieces (20, 21) present, towards the top, an essentially flat reference surface (22) with short soft plastic knobs (24B) formed by

injection and, at the bottom, have retaining lamellas (23) of a conical shape.

5. Natural stone panel floor according to claim 4, characterized in that the joint spacer (2) extends from the reference surface (22) and to a surface of the stone, with which it is aligned

6. Natural stone panel floor according to claim 5, characterized in that the top part of the spacer (2), located in the upper region of the joint (24A) is made of a softer flexible material than the rest of the spacer.

7. Natural stone panel floor according to claim 6, characterized in that the stone panel (1) exhibit a chamfer (12) at their upper edges which is filled-in by the spacer (2).

8. Natural stone panel (1) for the construction of a natural stone panel floor in accordance with claim 1.

9. Joint spacer (2) for the construction of a natural stone panel floor in accordance with claim 1.